

What is claimed is:

- Sub A* 1. A method for preparing a molded foam article comprising:
- 2 a. forming a polyurethane-forming mixture by mixing
 - 3 i. a fatty acid condensation product;
 - 4 ii. an IMR-enhancer compound;
 - 5 iii. an isocyanate;
 - 6 iv. a polyol;
 - 7 v. a catalyst; and
 - 8 vi. a blowing agent;
 - 9 b. filling a mold with the polyurethane-forming mixture;
 - 10 c. forming a molded foam article; and
 - 11 d. removing the molded foam article from the mold.
- 1 2. The method of Claim 1, wherein the fatty acid condensation product, the IMR-
- 2 enhancer compound, and the isocyanate are first mixed to yield an enhanced IMR "A"
- 3 side composition.
- 1 3. The method of Claim 1, wherein the fatty acid condensation product, the IMR-
- 2 enhancer compound, and the polyol are first mixed to yield an enhanced IMR "B"
- 3 side composition.
- 1 4. The method of Claim 1, wherein a portion of the fatty acid condensation product, a
- 2 portion of the IMR-enhancer compound, and the isocyanate are first mixed to yield an
- 3 enhanced IMR "A" side composition and wherein the residual portion of the fatty acid
- 4 condensation product, the residual portion of the IMR-enhancer compound, and the

polyol are mixed to yield an enhanced IMR "B" side composition.

5. The method of Claim 1, wherein the fatty acid condensation product is a condensation product of a fatty acid selected from the group consisting of ricinoleic acid, oleic acid, alaidic acid, stearic acid, palmitic acid, linoleic acid, octanoic acid, coconut oil acids, tallow fatty acid, paraffin oxidation acids, and tall oil fatty acid and the IMR-enhancer compound is mineral oil.

6. A molded foam article prepared in accordance with the method of Claim 1.

7. A method for preparing an enhanced IMR composition comprising:

a. reacting a fatty acid condensation product with an isocyanate in the presence of an IMR-enhancer compound,

wherein the fatty acid condensation product, having at least one active hydrogen containing group.

8. An enhanced IMR composition prepared in accordance with the method of Claim 6.

9. The method of Claim 1, wherein the components mixed in the "forming a polyurethane-forming mixture" step further comprise the enhanced IMR composition of Claim 7.